

# RF Exposure Evaluation Report

Product Name : Data Collector

Model No. : PI-1060

FCC ID : NBF-PI-1X60

Applicant : Argox Information Co.,Ltd.

Address : 7F., No.126, Ln. 235, Baociao Rd., Xindian Dist.,  
New Taipei City 231, Taiwan (R.O.C.)

Date of Receipt : Mar. 30, 2018

Date of Declaration : Aug. 14, 2018

Report No. : 1850384R-SAUSP03V00

Report Version : V1.0

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

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Issued Date: Aug. 14, 2018  
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Product Name	Data Collector
Applicant	Argox Information Co.,Ltd.
Address	7F., No.126, Ln. 235, Baociao Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)
Manufacturer	Argox Information Co.,Ltd.
Model No.	PI-1060
FCC ID.	NBF-PI-1X60
Trade Name	ARGOX
Applicable Standard	FCC 47 CFR 1.1307 KDB 447498 D01 v06
Test Result	Complied

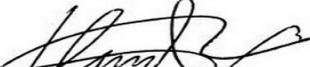
Documented By :

  
( Senior Adm. Specialist / Joanne Lin )

Tested By :

  
( Senior Engineer / Wen Lee )

Approved By :

  
( Director / Vincent Lin )

## 1. GENERAL INFORMATION

### 1.1. EUT Description

Product Name	Data Collector
Trade Name	ARGOX
Model No.	PI-1060
FCC ID.	NBF-PI-1X60
Frequency Range	BT: 2402 – 2480MHz SUB-1G: 902.8- 927.2MHz
Channel Number	BT: 79CH SUB-1G: 7CH
Type of Modulation	BT: FHSS: GFSK(1Mbps) / π /4DQPSK(2Mbps) / 8DPSK(3Mbps) SUB-1G: 2-GFSK
Antenna Type	PIFA Antenna / Print on PCB Antenna
Antenna Gain	Refer to the table “Antenna List”

#### Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Auden	BT-0911	PIFA Antenna	-1.26dBi in 2.4 GHz
2	Cingxin	PI-1060	Print on PCB Antenna	-3.44dBi for 900-928 MHz

## 2. RF Exposure Evaluation

### 2.1. Standard Applicable

According to 1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

### 2.2. Measurement Result:

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1 (Power(mW)/separation (mm)\*sqrt(f(GHz)) $\leq$ 3.0), SAR is required as shown in the table below where calculated values are greater than 3.0:

#### 1.) BT:

Operation frequency = 2450MHz and antenna separation distance = 5mm,

Body SAR Test Exclusion Threshold = 10mW

Frequency Band	Maximum peak output power		Body SAR Test Exclusion Threshold (mW)	Calculated Threshold Value ( $\leq$ 3.0 SAR is not required)
	(dBm)	(mW)		
2402MHz	3.82	2.41	10	0.747

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum peak output power is refer to report No.: 1850384R-RFUSP23V00 from the DEKRA.

#### 2.) SUB-1G:

Operation frequency = 900MHz and antenna separation distance = 5mm,

Limbs SAR Test Exclusion Threshold = 40mW

Frequency Band	Maximum peak output power		Limbs SAR Test Exclusion Threshold (mW)	Calculated Threshold Value ( $\leq$ 7.5 SAR is not required)
	(dBm)	(mW)		
902.8	14.49	28.12	40	5.343

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum peak output power is refer to report No.: 1850384R-RFUSP25V00 from the DEKRA.